

## Prof. Oliver Brüstle

## Institute of Reconstructive Neurobiology University of Bonn Medical Center

### Education/Training

University of Ulm Medical School, Germany	M.D.	1989	Medicine
University of Zurich, Switzerland	Resident	1989-1991	Neuropathology
University of Erlangen-Nürnberg, Germany	Resident	1991-1993	Neurosurgery
National Institutes of Health, Bethesda, MD	Postdoc.	1993-1997	Stem cell research
University of Bonn Medical Center	Group Leader	1997-2001	Neuropathology

### Employment

1989 - 1991	Resident; Institute of Neuropathology; University of Zurich, Switzerland; Head: Paul Kleihues, M.D..
1991 - 1993	Resident; Department of Neurosurgery; University of Erlangen-Nürnberg, Germany; Head: Rudolf Fahlbusch, M.D..
1993 - 1997	Visiting Associate; Laboratory of Molecular Biology; National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, MD; Head: Ronald D. G. McKay, Ph.D..
1997 - 2001	Group Leader; Department of Neuropathology; University of Bonn Medical Center, Bonn, Germany
since 2002	Director, Institute of Reconstructive Neurobiology, University of Bonn Medical Center, Bonn, Germany

### Honors

1993-95	Fellowship award from the Deutsche Forschungsgemeinschaft
1995-97	Visiting Associate Fellowship from the NIH
2000	Bennigsen-Foerder-Preis

### Selected Publications

- Brüstle, O., Maskos, U., McKay, R.D.G. (1995) Host-guided migration allows targeted introduction of neurons into the embryonic brain. **Neuron** **15**, 1275-1285.
- Brüstle, O., Spiro, A.C., Karram, K., Choudhary, K., Okabe, S., McKay, R.D.G. (1997) In vitro-generated neural precursors participate in mammalian brain development. **Proc. Natl. Acad. Sci. U.S.A.** **94**, 14809-14814.
- Brüstle, O., Choudhary, K., Karram, K., Hüttner, A., Murray, K., Dubois-Dalcq, M., McKay, R.D.G. (1998) Chimeric brains generated by intraventricular transplantation of fetal human brain cells into embryonic rats. **Nature Biotech.** **16**, 1040-1044.
- Brüstle, O., Jones, K.N., Learish, R.D., Karram, K., Choudhary, K., Wiestler, O.D., Duncan, I.D., McKay, R.D.G. (1999) Embryonic stem cell-derived glial precursors: a source of myelinating transplants. **Science** **285**, 754-756.
- Brüstle, O. (1999) Building brains: Neural chimeras in the study of nervous system development and repair. **Brain Pathol.** **9**, 527-545.
- Zhang, S.C.\*, Wernig, M., Duncan, I.D., Brüstle, O.\*, Thomson, J.A. (2001) In vitro differentiation of transplantable neural precursors from human embryonic stem cells. **Nature Biotech.** **19**, 1129-1133. (\*shared corresp. authorship)
- Wernig, M., Brüstle O. (2002) Fifty Ways to Make a Neuron: Shifts in stem cell hierarchy and their implications for neuropathology and CNS repair. **J. Neuropath. Exp. Neurol.** **61**, 101-110.